

1/18 JP920010303US1 Ogasawara, et al.

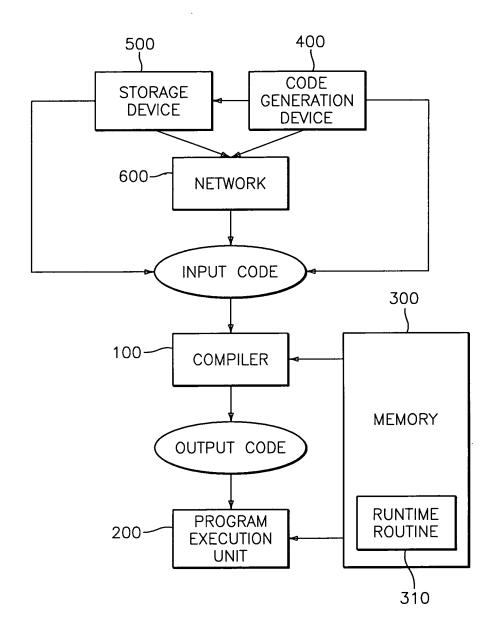
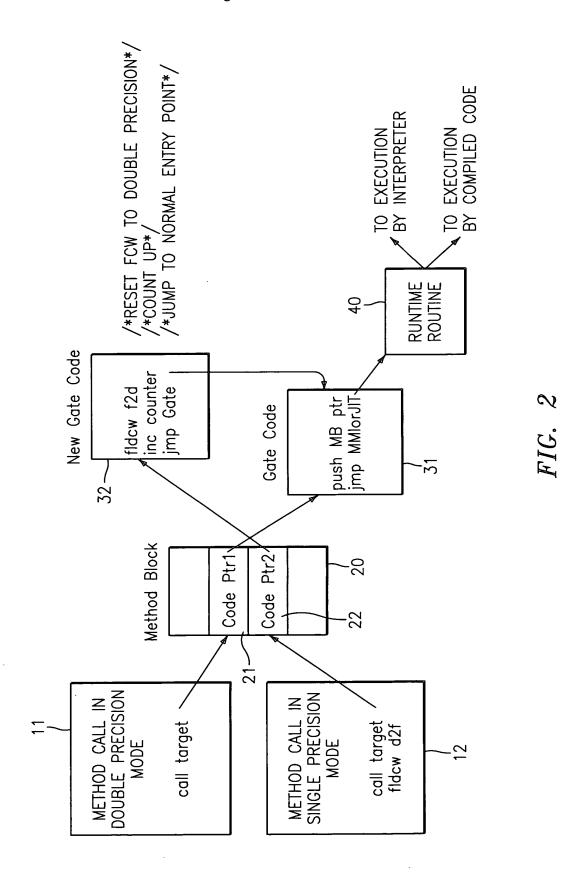
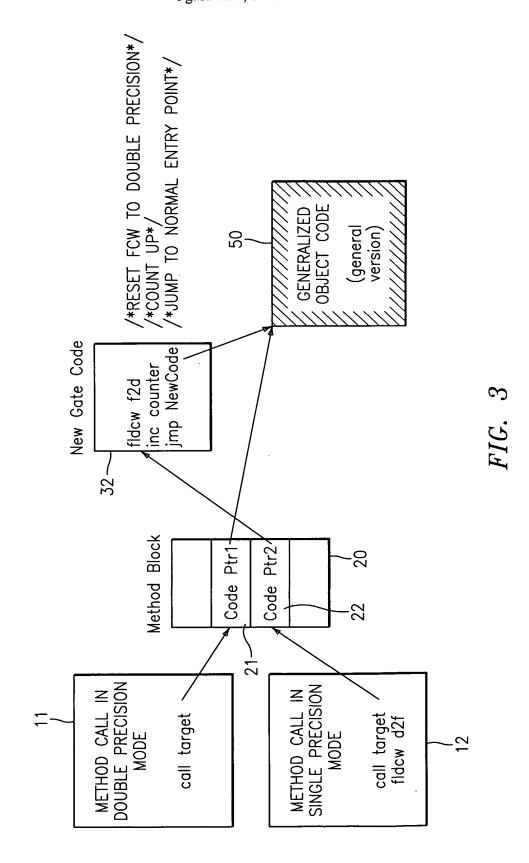


FIG. 1

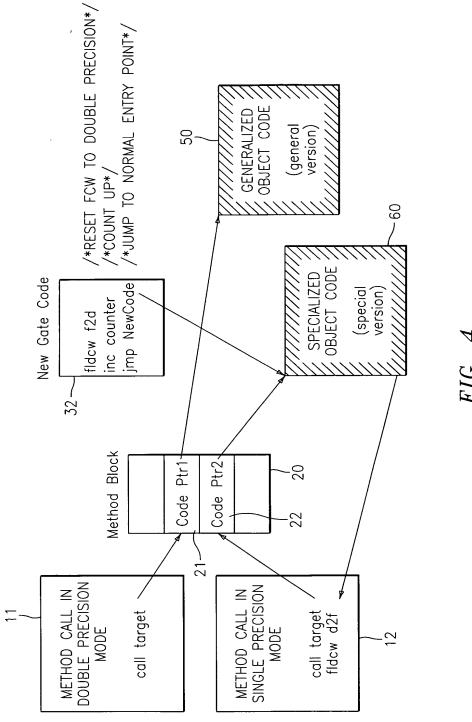
2/18 JP920010303US1 Ogasawara, et al.



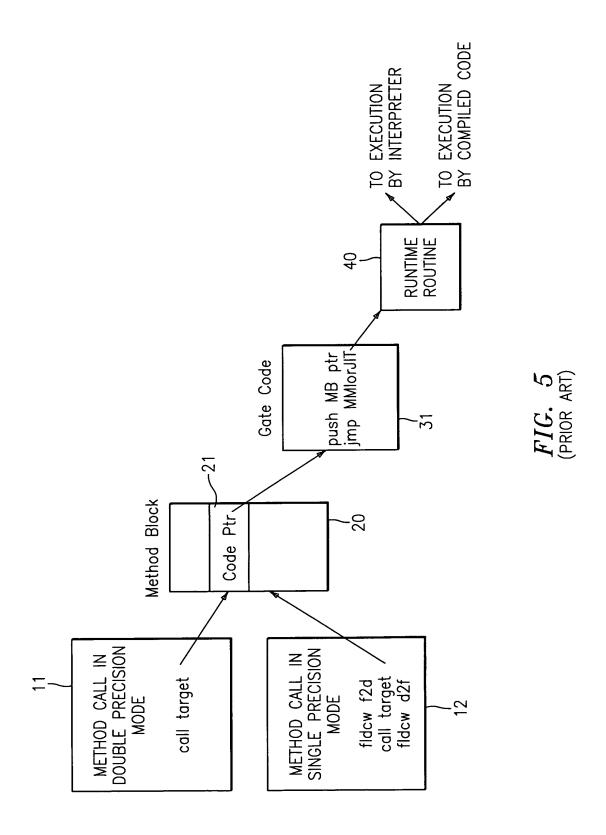
3/18 JP920010303US1 Ogasawara, et al.

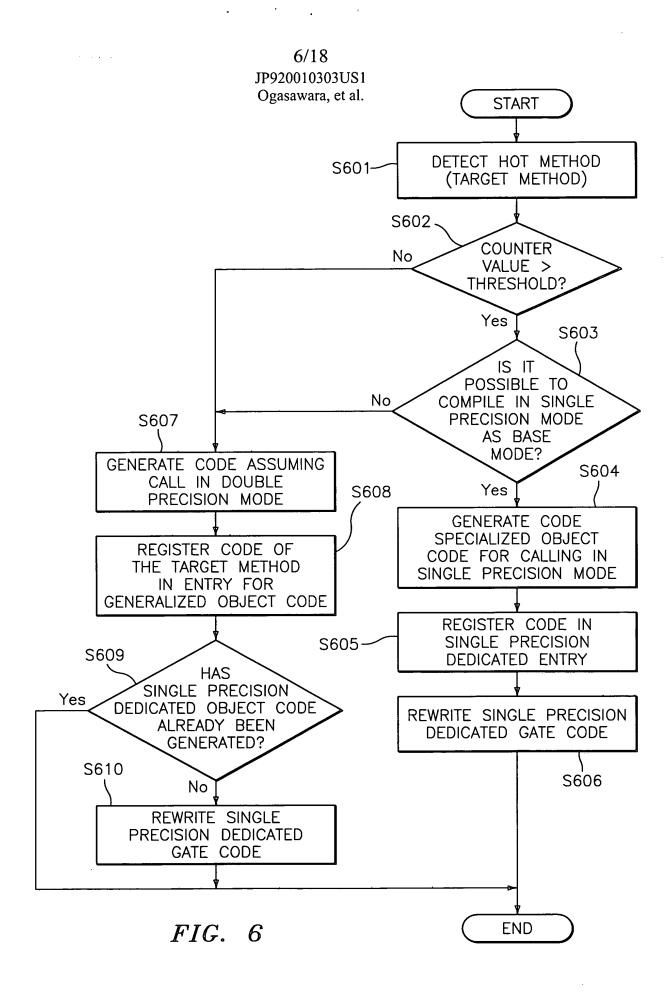


4/18 JP920010303US1 Ogasawara, et al.



5/18 JP920010303US1 Ogasawara, et al.





7/18 JP920010303US1 Ogasawara, et al.

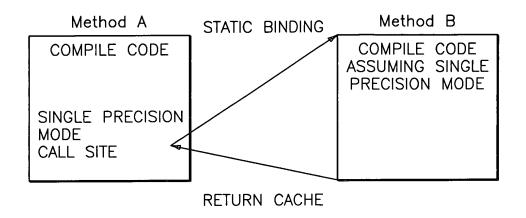


FIG. 7

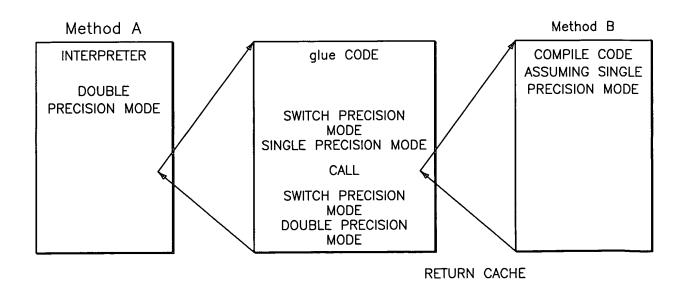


FIG. 8

8/18 JP920010303US1 Ogasawara, et al.

1.5.

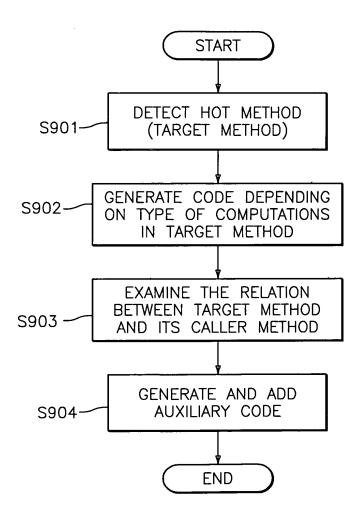


FIG. 9

9/18 JP920010303US1 Ogasawara, et al.

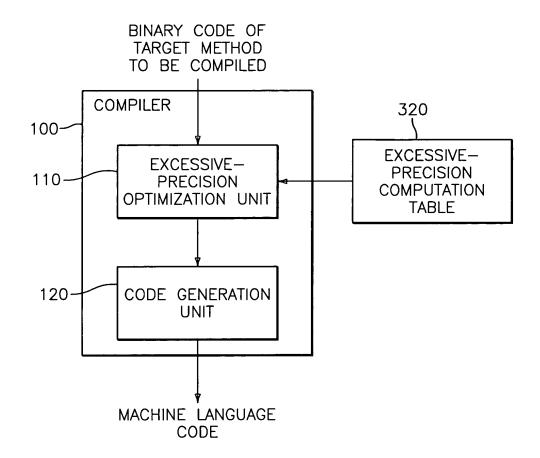


FIG. 10

KIND OF OPERATION	RESTRICTION ON INPUT 1	RESTRICTION ON INPUT 2	• • •
DMUL	MANTISSA IS SINGLE PRECISION	MANTISSA IS 1	
DSQRT+D2F	MANTISSA IS SINGLE PRECISION	N/A	
•			

FIG. 11

10/18 JP920010303US1 Ogasawara, et al.

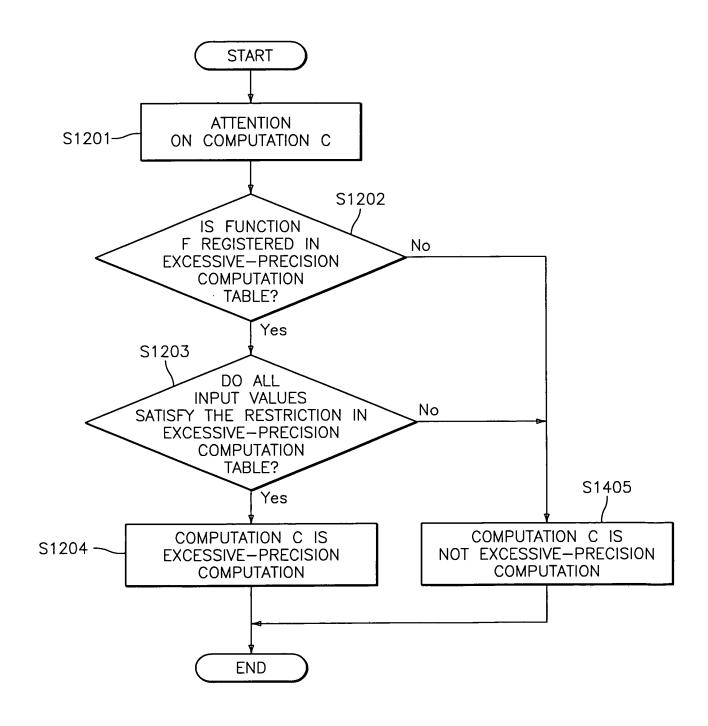


FIG. 12

11/18 JP920010303US1 Ogasawara, et al.

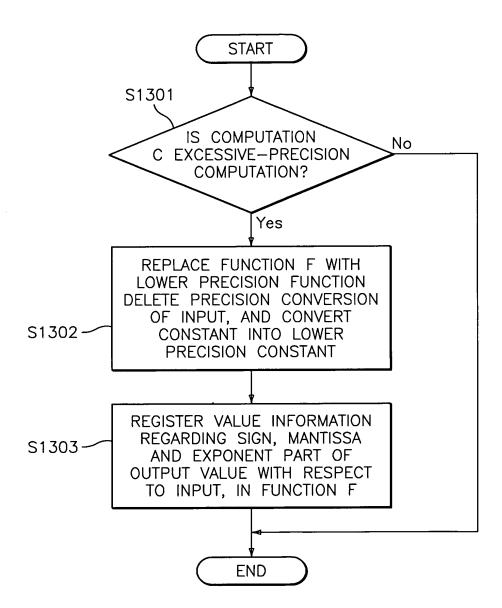


FIG. 13

12/18 JP920010303US1 Ogasawara, et al.

CONVERTED SINGLE PRECISION COMPUTATION	LF1 = f	•••			LF3 = FLOAD 0.5F	LF1 = FMUL LF1, LI
000			DELETE	CONVERT INTO SINGLE PRECISION CONSTANT	CONVERT INTO SINGLE	PRECISION COMPUTATION
DOUBLE PRECISION COMPUTATION TO BE PROCESSED	LF1 = f	•••	102 = F20 1F1		LDS = DLOAD 0.5D	LD2 = DMUL LD2, LD3

FIG. 14

13/18 JP920010303US1 Ogasawara, et al.

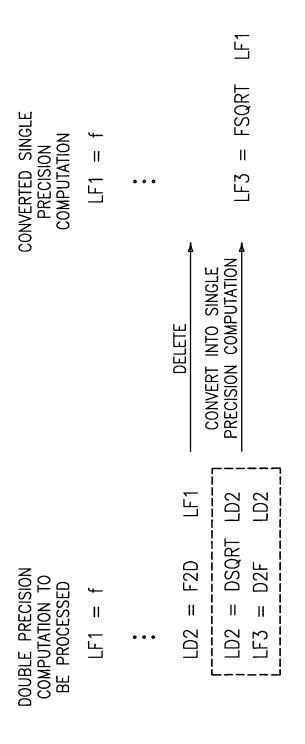


FIG. 15

14/18 JP920010303US1 Ogasawara, et al.

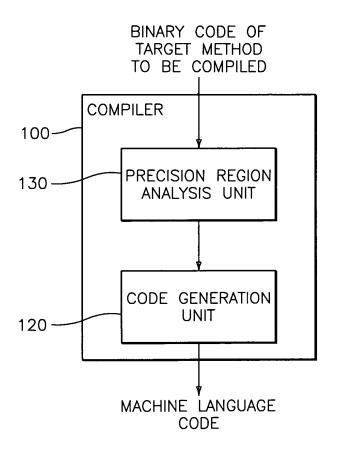
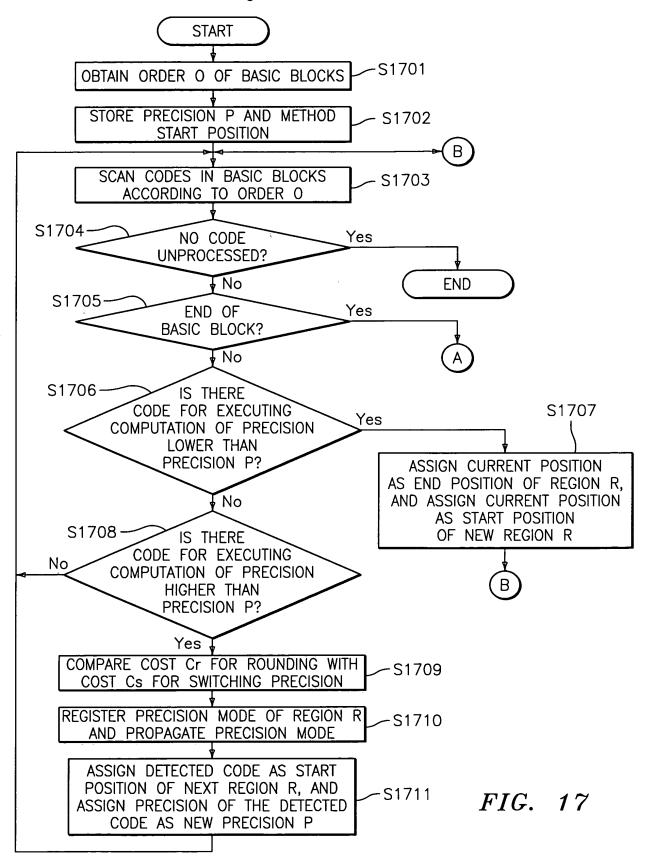


FIG. 16

15/18 JP920010303US1 Ogasawara, et al.



16/18 JP920010303US1 Ogasawara, et al.

. . . .

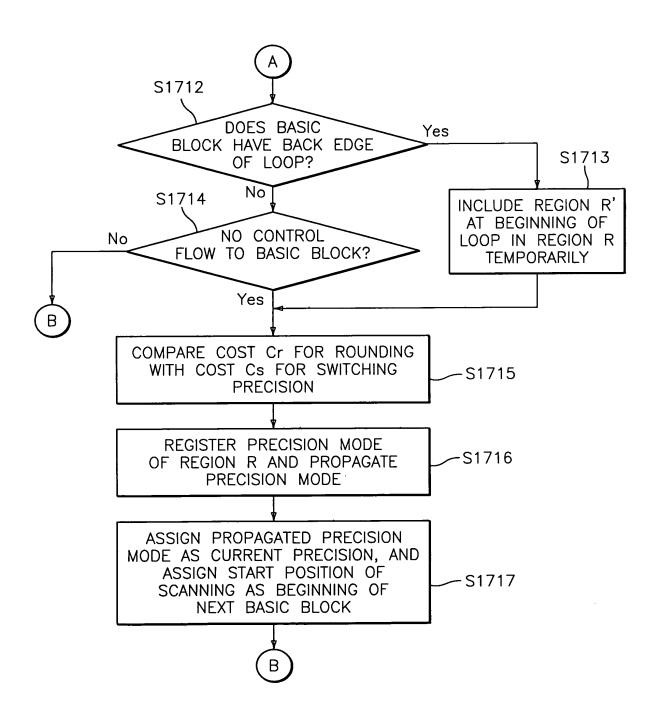


FIG. 18

17/18 JP920010303US1 Ogasawara, et al.

```
if (cond) (
statement11
statement12
) else (
statement21
statement22
)
statement3
```

```
Basic Block 1
test cond
if true go to Basic Block 2
go to Basic Block 3

Basic Block 2
statement11
statement12
go to Basic Block 4

Basic Block 3
statement21
statement22
go to Basic Block 4

Basic Block 4

Basic Block 4

Basic Block 4
```

18/18 JP920010303US1 Ogasawara, et al.

	BASIC BLOCKS INCLUDED IN ATTRIBUTE THE REGION	single PRECISION		
	END POSITION IN	THE SECOND INSTRUCTION IN 1, 2, 3 BASIC BLOCK 3		
	START POSITION	THE THIRD INSTRUCTION IN BASIC BLOCK 1		
2001	R NUMBER	-	2	• • •

FIG. 20

٠,